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Algorithm Theory – SWAT 2006

10th Scandinavian Workshop on Algorithm Theory
Riga, Latvia, July 6-8, 2006
Proceedings



Springer

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Library of Congress Control Number: 2006927810

CR Subject Classification (1998): F.2, E.1, G.2, I.3.5, C.2

LNCS Sublibrary: SL 1 – Theoretical Computer Science and General Issues

ISSN 0302-9743
ISBN-10 3-540-35753-X Springer Berlin Heidelberg New York
ISBN-13 978-3-540-35753-7 Springer Berlin Heidelberg New York

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© Springer-Verlag Berlin Heidelberg 2006
Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper SPIN: 11785293 06/3142 5 4 3 2 1 0

Preface

This volume contains the papers presented at SWAT 2006, the 10th Scandinavian Workshop on Algorithm Theory. The workshop, which is really a full-fledged international conference, is intended as a forum for researchers in the area of design and analysis of algorithms and data structures. Since 1988 SWAT has been held biennially in the five Nordic countries; it has a loose association with WADS (Workshop on Algorithms and Data Structures) that is held in odd-numbered years in North America. This 10th SWAT was held in the neighboring Baltic region. More precisely, it was held on July 6-8, 2006, at the Institute of Mathematics and Computer Science in the University of Latvia in Riga.

The call for papers invited contributions in all areas of algorithms and data structures, including approximation algorithms, computational biology, computational geometry, distributed algorithms, external-memory algorithms, graph algorithms, online algorithms, optimization algorithms, parallel algorithms, randomized algorithms, string algorithms and algorithmic game theory. A total of 154 papers were submitted, out of which the Program Committee selected 36 for presentation at the workshop. In addition, invited lectures were given by Kazuo Iwama (Kyoto University), Raimund Seidel (Universität des Saarlandes) and Robert E. Tarjan (Princeton University).

We would like to thank all the people who contributed to making SWAT 2006 a success. In particular, we thank the Program Committee and all of our many colleagues who helped the committee evaluate the submissions. We also thank Gerth S. Brodal for his invaluable help with the submission process and the Program Committee software.

May 2006

Lars Arge and Rusins Freivalds

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